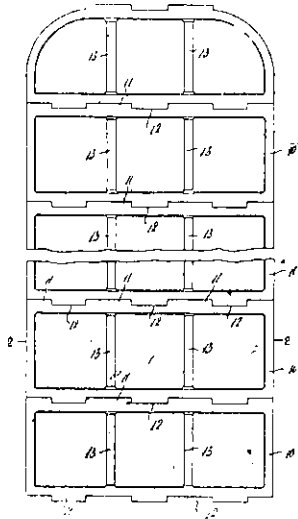


position. A cap of solid concrete may be employed, extending over the top of the caissons and keyed to the same. The caissons may be divided into compartments by partitions with or without holes through which reinforcing-rods are



passed, the caissons being nearly filled with concrete after the same have been placed in position, and a cap of solid concrete extending over the top of the caissons and keyed to the same. Other features are contained in invention.

Building Notes.

AUCKLAND.

The new additions to the buildings for Messrs. Dalgety and Co., Ltd., being erected to designs of Messrs. Chilwell and Trevithick, A.A.R.I.B.A., in the Strand will have a floor space of 76,000 feet super. on each floor. When completed the whole store will have an area of a little over half acre on each floor. Height 12ft. each floor. Frontage 148ft. to road. The whole of the foundations and outer walls are of reinforced concrete, and the posts and beams are of ironbark. Provision for concrete hide washing space top lighted under beams and cart arches to the Main road, and railway siding at rear under the new railway scheme.

The elevation shows the modern factory arrangements of lighting to be a minimum of doors and walls and a maximum of window space. The roof is designed on the sawtooth principle with Southern light uninterrupted the whole length of each space. Cowperthwaites concrete tiles on main pitch of roof. Works to be completed in October next. Julian and Sons, Contractors £15,197.

Messrs. Chilwell and Trevithick have also in hand a building for the Shaw Savill and Albion Co. Ltd. adjoining and communicating with the above building. Each floor has half an acre of space, with a height of 15ft. 6in. clear under beams. Frontage to road 128ft. The whole of the building is of reinforced concrete including roof trusses. Elevation is designed in harmony with the above building. Saw-tooth roof and concrete tiles. Two triple cart arches under one span; covered railway siding at back. Work to be finished early in 1919. G. H. Edwards, contractor. Price, £25,989 exclusive of equipment which include two

**MAKES
CEMENT
WATER-
PROOF**

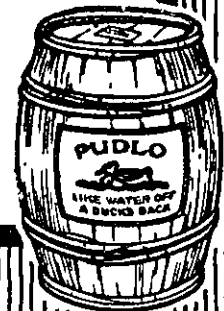
PUDLO

A **BRITISH** invention for making cement waterproof. It is in the form of a powder, and thus ensures the safety of the work, owing to its stable nature. Eminent experts have scientifically proved the safety of "**PUDLO**" in its relation to cement. Details of tests will be sent free. In comparative tests with all leading waterproofing compounds it has been proved that "**PUDLO**" is the

WORLD'S BEST WATERPROOFER

It keeps out moisture as a sheet of window glass, keeps out the weather. For waterproofing cellars, basements, reservoirs, swimming baths, concrete walls, dampcourses, concrete buildings, etc., "**PUDLO**" should always be used. It is inexpensive in use, and it becomes more damp-resistant with age. We have some interesting descriptive literature about "**PUDLO**" which every engineer, architect, builder and cement worker should send for. It will be sent free on request. N.Z. Master Agents:

PATERSON & ROBERTSON, 14 COMMERCE STREET **AUCKLAND**



Mention of "Progress" when writing ensures prompt attention